Installation Instructions

The installation of Resource Usage Monitor (RUM) Package Version 1.0 only affects the RUM options. Therefore, this installation can be performed at any time of the day with minimal disruption.

Aside from implementing any of the applicable items that are listed below, installation should not take longer than 10-15 minutes.

NOTE: This distribution is dependent on the previous installation of Kernel Patch XU*8*107. If this distribution detects that the patch is not installed at your site, the installation process will stop. If this occurs, you will need to obtain and install Kernel Patch XU*8*107 and then you may begin the installation of this product.

NOTE: All *DSM for OpenVMS, MSM-DOS,* or *Caché for Windows NT* sites should install this package. Kernel Patch XU*8*107 installed Resource Usage Monitor (RUM) data collection routines for *DSM for OpenVMS* sites. A future Kernel patch will enable the collection of RUM data from *MSM-DOS* and *Caché for Windows NT* sites.

NOTE: Beta test sites should ensure that the RUM Background Driver [KMPR BACKGROUND DRIVER] option is not currently running.

Capacity Management (CM) has been given the KMP* namespace for both routines and global(s). Therefore, you should review your translation table setting(s) to determine the proper placement for the KMP* global namespace.

The Resource Usage Monitor (RUM) Package V. 1.0 installation will remove obsolete Resource Usage Monitor (RUM) options and routines from the XUCP* namespace. Additionally, this installation will delete obsolete RUM data from the ^XTMP("XUCP") global.

This installation creates a new ^KMPR global to store RESOURCE USAGE MONITOR file (#8971.1) information. This global will automatically be trimmed to contain a maximum of 21 days of data. Testing has shown that a site with 15,000 options, 5000 protocols and 300 RPCs will have a RESOURCE USAGE MONITOR file of approximately 20,000 to 40,000 blocks (i.e., 50 to 100 maps) in size.

The Resource Usage Monitor (RUM) Package V 1.0 utilizes the ^XTMP("KMPR") global to store temporary RUM data. This global will contain one day's worth of data at maximum. The temporary ^XTMP("KMPR") global will be purged automatically by the RUM Background Driver [KMPR BACKGROUND DRIVER] option. This option is scheduled to run every night at 1 a.m. Testing has shown that a site with 15,000 options, 5000 protocols and 300 RPCs will have a ^XTMP("KMPR") global of approximately 4000 to 6000 blocks (i.e., 10 to 15 maps) before it is purged every night.

This installation will automatically set up the RUM Background Driver [KMPR BACKGROUND DRIVER] option within the OPTION SCHEDULING file (#19.2). This option will be scheduled to run tomorrow at 1 a.m. with a reschedule frequency of every day (i.e., 1D).

This installation will create a new mail group called KMP-CAPMAN. Members from the KMPS-SAGG mail group will be used to populate this new mail group. The server that stores the Capacity Management National Database will issue report(s) to this mail group.

1. Review Your Mapped Set

If any beta test sites have mapped the KMPR* routines, they should be removed from the mapped set at this time.

2. Obtain the KMPR1_0.KID File

Obtain the file titled **KMPR1_0.KID** from the ANONYMOUS.SOFTWARE directory.

3. Load KMPR1_0.KID File

From the *Kernel Installation & Distribution System* (KIDS) menu, select the Installation menu. Invoke the Load a Distribution option to load:

KMPR1_0.KID

If you are prompted with "Want to RUN the Environment Check Routine? YES//", you should respond with YES.

4. Select Optional KIDS Installation Menu Options

You may now elect to use the following options within the KIDS *Installation* menu:

❑ When prompted for the INSTALL NAME, enter RESOURCE USAGE MONITOR 1.0.

   a. *Backup a Transport Global* - This option creates a backup message of any routines exported with this release. It will NOT back up any other changes such as DDs or templates.

   b. *Compare Transport Global to Current System* - This option allows you to view all changes that will be made when the release is installed. It compares all components of the release (routines, DDs, templates, etc.).

   c. *Verify Checksums in Transport Global* - This option allows you to ensure the integrity of the routines that are in the transport global.

5. Install RUM Package Version 1.0

Use the *Install Package(s)* option and select the package RESOURCE USAGE MONITOR 1.0.

6. Follow the KIDS Installation Prompts

You will be prompted with the following install question:

❑ Enter the Coordinator for Mail Group "KMP-CAPMAN ":

Answer with the name of the person who will act as the coordinator for the new mail group KMP-CAPMAN that will receive the capacity management mail messages.

7. **Disabling Options and Protocols**

When prompted "Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//", you can respond with NO.

8. **Informational Messages**

The following are examples of informational messages that you may receive while the post-installation routine is running:

1. ```
Deleting obsolete Resource Usage Monitor data from ^XTMP global...
Deletion complete!
```

   This informational message indicates that the post-installation routine is deleting data from the temporary ^XTMP("KMPR","HR") and ^XTMP("XUCP") sub-node globals. These global nodes were used by previous versions of the RUM package. The post-installation routine will run this clean-up code at every site, regardless of existence of earlier versions of package.

2. ```
Checking for scheduled option 'KMPR BACKGROUND DRIVER'...
Updating scheduled option 'KMPR BACKGROUND DRIVER'...
'KMPR BACKGROUND DRIVER' check complete!
```

   These informational messages indicate that the post-installation routine is determining whether the 'KMPR BACKGROUND DRIVER' option exists. If this option is found, the post-installation routine will report that it is updating the schedule frequency of this background task to run nightly at 1 a.m. The 'KMPR BACKGROUND DRIVER' option only existed at beta test sites of the RUM package.

3. `Checking mail group 'KMP-CAPMAN'...`

    a) `Unable to find mail group KMPS-SAGG or mail group A1B5-`
       `SAGG!`
       `MEMBERS of mail group KMP-CAPMAN will need to be entered.`

    b) `There are no MEMBERS currently entered for mail group KMPS-`
       `SAGG (or A1B5-SAGG).`
       `MEMBERS of mail group KMP-CAPMAN will need to be entered.`

    c) `Unable to find mail group KMP-CAPMAN.  Please contact`
       `Capacity Management!`

    d) `Moving MEMBERS from mail group KMPS-SAGG (or A1B5-SAGG) to`
       `'KMP-CAPMAN'...`

`Mail group 'KMP-CAPMAN' check complete!`

The post-installation routine will display one of the above informational messages regarding the mail group.

The post-installation routine will attempt to add members from either the 'new' SAGG (i.e., Statistical Analysis of Global Growth) mail group of KMPS-SAGG or the 'old' SAGG mail group of A1B5-SAGG. If either mail group is found, members from the SAGG mail group will be added to the new Capacity Management mail group KMP-CAPMAN. However, if a problem arises, the site will need to manually enter the members into the KMP-CAPMAN mail group.

9. Delete Any Unmapped Routines

If routines were unmapped as part of Step 1, they should be deleted from the mapped set once the installation has been run to completion.

NOTE: The KMPR* and %ZOSVKR* namespaced routines are NOT recommended to be mapped. The %ZOSVK* namespaced routines were previously installed with Kernel Patches XU*8*90, XU*8*94 and XU*8*107.

10. Review RUM Settings

NOTE: *MSM-DOS* and *Caché for Windows NT* sites will not be allowed to start the Resource Usage Monitor (RUM) data collection. A future Kernel patch will enable the collection of RUM data from *MSM-DOS* and *Caché for Windows NT* sites.

Use the *RUM Manager Menu* [KMPR RUM MANAGER MENU] under the *Capacity Management* [XTCM MAIN] menu located in the *Eve* menu to start RUM data collection.

First, use the *Start RUM Collection* [KMPR START COLLECTION] option to start collection of Resource Usage Monitor (RUM) data.

Next, you should invoke the *Status of RUM Collection* [KMPR STATUS COLLECTION] option to ensure that the *RUM Background Driver* [KMPR BACKGROUND DRIVER] is scheduled to run every day at 1 a.m. Review the other items in the status display for their accuracy.

If the *RUM Background Driver* [KMPR BACKGROUND DRIVER] is not shown as being scheduled to run in the future, use the *Schedule/Unschedule Options* [XUTM SCHEDULE] option located under the *Taskman Management* menu to schedule the *KMPR BACKGROUND DRIVER* option to run every day at 1 a.m.

The Capacity Management team **strongly** suggests that this background driver be scheduled to run every day at 1 a.m. This background driver is the main mechanism by which the temporary ^XTMP("KMPR") global is purged and the RESOURCE USAGE MONITOR file (#8971.1) is trimmed. Modification of the frequency and time may have adverse effects on the size of the temporary ^XTMP("KMPR") global and on the number of entries within the RESOURCE USAGE MONITOR file.

Finally, use the *Capacity Management Mail Group Edit* [KMP MAIL GROUP EDIT] option located under the *Capacity Management* [XTCM MAIN] menu located in the *Eve* menu to review the mail group membership. You should ensure that the group contains the IRM staff responsible for receiving messages pertaining to capacity management issues.

RESOURCE USAGE MONITOR
RUM PACKAGE

INSTALLATION GUIDE

Version 1.0

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